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EXAMINER

VAUGHN JR, WILLIAM C

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 04/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/222,340

Applicant(s)

TERRELL ET AL.

Examiner

William C. Vaughn, Jr.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2004.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-14 and 16-26 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-14 and 16-26 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☒ Interview Summary (PTO-413)  
Paper No(s)/Mail Date 4/6/05.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This Action is in regards to the Amendment and Response received on 11 November 2004.
2. The application has been examined. **Claims 1-14 and 16-26** are pending. The objections and rejections cited are as stated below:

#### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-4, 7-11, 13, 14, 17, 18, 20, 21, 24 and 25** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lakshman et al. (Lakshman), U.S. Patent No. 6,341,130 in view of Barzilai et al. (Barzilai), "Design and Implementation of an RSVP-Based Quality of Service Architecture for an Integrated Services Internet", 1998 and in further view of Engler et al., "DPF:Fast, Flexible Message Demultiplexing using Dynamic Code Generation, Copyright 1996.
5. Regarding **claim 1**, Lakshman discloses the invention substantially as claimed. Lakshman discloses *an apparatus adapted to facilitate communications between a client device and a remote device, comprising a network interface including (i) filters including at least one filter being triggered to denote when a received packet satisfies filter criteria corresponding to an admission policy (filter rules) related to differentiated service levels and associated with the at least one filter* [see Lakshman, Col. 1, lines 53-67, Col. 2, lines 1-34, Col. 3, lines 53-55, Col. 6,

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lines 15-19, Col. 9, lines 20-29] *and (ii) a classifier, communicatively coupled to the filters, to classify and mark one of the service levels associates with the received data packet in response to satisfying the filter criteria associated with the at least one filter* [see Lakshman, Col. 53-67]; *and a controller* [see Lakshman, Figure, 1, item 245]. However, Lakshman does not explicitly disclose a controller coupled to the network interface, to dynamically create and remove the filters controlling access to the different service levels based, at least in part, on an admission profile of the admission policy.

6. In the same field of endeavor, Barzilai discloses (e.g., a system for traffic policing, traffic shaping and buffer management for QOS support). Barzilai discloses and a controller coupled to the network interface, to dynamically create and remove the filters controlling access to the different service levels based, at least in part, on an admissions profile (Barzilai teaches the QOS manager functions a control plane component primarily responsible for the creation, modification, and removal of reservation filters associated with different flows as well as admission control. Also, Barzilai teaches the improvement of statically compiled packet filter by utilizing a general classifier for real-time packet forwarding and packet filters that provide general and flexible classification of incoming packets to application endpoints and dynamic code generation techniques that are applied to realized very efficient packet filters), [see Barzilai, page 400, 2<sup>nd</sup> column, 4<sup>th</sup> paragraph, page 411, 2<sup>nd</sup> column, 2<sup>nd</sup> paragraph].

7. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Barzilai teaches of a system for traffic policing, traffic shaping and buffer management for QOS support with the teachings of Lakshman, for the purpose of providing a system that supports integrated services on the

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Internet, network routers as well as end hosts in order to further enhance classification of traffic and to handle data packets from different flows as well as having a system that fully supports TCP/IP stack [see Barzilai, page 397, column 2]. However, the specific of dynamic code generation in regards to dynamic filtering are not explicitly disclosed by Lakshman-Barzilai.

8. In the same field of endeavor, Engler discloses (e.g., dynamic filtering). Engler discloses dynamic filtering [see abstract, sections 1, 2.1 and 3.1].

9. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Engler's teachings of dynamic code generation for the creation of dynamic filtering with the teachings of Lakshman-Barzilai, for the purpose of providing an improvement on traditional packet filtering, through the use of dynamic code generation [see Engler, abstract]. Barzilai provides motivation to combine by stating the uses of dynamic code generation techniques that are applied provide for very efficient packet filtering [see Barzalia, pg. 411]. By this rationale **claim 1** is rejected.

10. Regarding **claim 2**, Lakshman-Barzilai and Engler further discloses wherein the at least one filter, when triggered, initiate an admission control decision preventing allocation of service level resources which are not yet required or authorized [see Barzilai, page 410, 2<sup>nd</sup> paragraph]. The same motivation that was utilized in the combination of claim 1 applies equally as well to claim 2. By this rationale **claim 2** is rejected.

11. Regarding **claim 3**, Lakshman-Barzilai and Engler further discloses wherein each filter is triggered by information contained within received the data packet (Barzilai teaches that the address is used during data transfer to efficiently identify the reservation structure to use for policing and shaping traffic on a particular data socket), [see Barzilai, Page 404, 1<sup>st</sup> Col., 2<sup>nd</sup>

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paragraph]. The same motivation that was utilized in the combination of claims 1 and 2 applies equally as well to claim 3. By this rationale **claim 3** is rejected.

12. Regarding **claim 4**, Lakshman-Barzilai and Engler further discloses *wherein each filter is triggered by one or both of packet source information and packet destination information* [see Lakshman, Col. 2, lines 10-14]. By this rationale **claim 4** is rejected.

13. Regarding **claim 7**, Lakshman-Barzilai and Engler further discloses *wherein the admission profile is available locally within the apparatus* [see Lakshman, Col. 15, line 13]. By this rationale **claim 7** is rejected.

14. Regarding **claim 8**, Lakshman-Barzilai and Engler further discloses wherein the controller establishes an ingress profile in response to detecting an associated trigger event, wherein the ingress profile modifies the received data packet adhering to the filter criteria to denote a particular service level, in accordance with the admissions profile [see Barzilai, page 406, 2<sup>nd</sup>]. The same motivation that was utilized in the combination of claim 1 applies equally as well to claim 8. By this rationale **claim 8** is rejected.

15. Regarding **claim 9**, Lakshman-Barzilai and Engler further discloses wherein the controller removes ingress profiles when data packets adhering to the filter criteria are no longer received, liberating apparatus resources [see Barzilai, page 406, 2<sup>nd</sup> column, 4<sup>th</sup> paragraph]. The same motivation that was utilized in the combination of claims 1 and 8 applies equally as well to claim 9. By this rationale **claim 9** is rejected.

16. Regarding **claim 10**, Lakshman-Barzilai and Engler further discloses *wherein the controller removes ingress profiles after a predetermined period of time, liberating apparatus resources* [Barzilai, page 410, 1st column, 1<sup>st</sup> paragraph-3<sup>rd</sup> paragraph]. The same motivation

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that was utilized in the combination of claims 1 and 8 applies equally as well to claim 10. By this rationale **claim 10** is rejected.

17. Regarding **claim 11**, Lakshman-Barzilai and Engler further discloses *wherein the controller removes at least one of the filters in accordance with a network administration policy* [see Barzilai, page 410, 1st column, paragraph 1, Figure 9]. The same motivation that was utilized in the combination of claim 1 applies equally as well to claim 11. By this rationale **claim 11** is rejected.

18. Regarding **claim 13**, Lakshman-Barzilai and Engler further discloses a method for controlling provisions of differentiated service levels in a data network [see Barzilai, abstract], the method comprising (a) installing a filter on a network edge device to provide a trigger notification upon detecting data packets adhering to filter criteria, [see rejection of **claim 1**, *supra*] (b) determining whether a received data packet satisfies the filter criteria, the filter criteria corresponding to an admission policy related to the differentiated service levels [see rejection of claim 1, *supra*]; and (c) issuing a command by a bandwidth broker to a controller of the network edge device to dynamically install or remove a filter in response to determining whether the received data packets satisfies the filter criteria [see rejection of claim 1, *supra*]. The same motivation that was utilized in the combination of claim 1 applies equally as well to claim 13. By this rationale **claim 13** is rejected.

19. Regarding **claim 14**, Lakshman-Barzilai and Engler further discloses (d) marking the received data packets adhering to the filter criteria according to a subscribed service level (Barzilai teaches that the QOS manager tags the data path with a session handle to enable handling of data packets commensurate with their service requirements), [see Barzilai, page 398,

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1<sup>st</sup> column, 1<sup>st</sup> paragraph]. The same motivation that was utilized in the combination of claims 1 and 13 applies equally as well to claim 14. By this rationale **claim 14** is rejected.

20. Regarding **claim 17**, Lakshman-Barzilai and Engler further discloses (e) identifying and marking the received data packets with routing information in accordance with the subscribed service level [see rejection of claim 14, supra]. The same motivation that was utilized in the combination of claims 1, 13 and 14 applies equally as well to claim 17. By this rationale **claim 17** is rejected.

21. Regarding **claim 18**, Lakshman-Barzilai and Engler further discloses (f) placing the data packets in a proper format for transmission (Barzilai teaches TCP formats packets into a acceptable form for transmission to the network), [see Barzilai, page 407, 2<sup>nd</sup> column, 2<sup>nd</sup> paragraph]. The same motivation that was utilized in the combination of claims 1, 13, 14, and 17 applies equally as well to claim 18. By this rationale **claim 18** is rejected.

22. Regarding **claim 20**, Lakshman-Barzilai and Engler further discloses wherein the controller further dynamically controls access to at least one classifier profile in accordance with the admission profile [see Barzilai, page 411, 2<sup>nd</sup> column, 2<sup>nd</sup> paragraph]. The same motivation that was utilized in the combination of claims 1 and 13 applies equally as well to claim 20. By this rationale **claim 20** is rejected.

23. Regarding **claim 21**, Lakshman-Barzilai and Engler further discloses an apparatus adapted to facilitate communications between a client device and a remote device [see rejection of claim 1, supra], comprising: filter means for controlling access to different service levels [see rejection of claim 1, supra]; means for classifying and marking one of the service levels associated with the received data packet in response to satisfying filter criteria associates with the



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filter means [see rejection of claim 1, *supra*]; and control means for dynamically creating and removing a portion of the filter means based at least in part on an admission profile [see rejection of claim 1, *supra*]. The same motivation that was utilized in the combination of claim 1 applies equally as well to claim 21. By this rationale **claim 21** is rejected.

24. Regarding **claim 24**, Lakshman-Barzilai and Engler further discloses *wherein the filter means comprises a plurality of filters* [see rejection of claims 1 and 21, *supra*]. By this rationale **claim 24** is rejected.

25. Regarding **claim 25**, Lakshman-Barzilai and Engler further discloses *wherein the control means removes at least one of the filters in accordance with a network administration policy* [see Barzilai, page 400, 2<sup>nd</sup> column, 4<sup>th</sup> paragraph]. The same motivation that was utilized in the combination of claims 1 and 24 applies equally as well to claim 25. By this rationale **claim 25** is rejected.

#### ***Claim Rejections - 35 USC § 103***

26. **Claims 5, 6, 16, 19, 22, 23** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lakshman-Barzilai as applied to claims 1, 13, 14, 21 above, and further in view of Gai et al. (Gai), U.S. Patent No. 6,651,101.

27. Regarding **claim 5**, Lakshman-Barzilai and Engler discloses the invention substantially as claimed. However, Lakshman-Barzilai does not explicitly disclose wherein the admission profile is stored in a communicatively coupled remote device.

28. In the same field of endeavor, Gai discloses (e.g., identifying network data traffic flows and for applying quality of service treatments to the flows). Gai discloses wherein the admission

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profile is stored in a communicatively coupled remote device [see Gai, Col. 12, lines 25-50 and Col. 15, lines 59-64].

29. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Gai's teachings of identifying network data traffic flows and for applying quality of service treatments to the flows with the teachings of Lakshman-Barzilai, for the purpose of obtaining traffic policies to be applied to identified traffic flows [see Gai, Col. 4, lines 26-65]. By this rationale **claim 5** is rejected.

30. Regarding **claim 6**, Lakshman-Barzilai, Engler and Gai further discloses *wherein the communicatively coupled remote device is a bandwidth broker or other generic policy server* [see Gai, Figure 2, item 216]. The same motivation that was utilized in the combination of claim 5 applies equally as well to claim 6. By this rationale **claim 6** is rejected.

31. Regarding **claim 16**, Lakshman-Barzilai, Engler and Gai discloses wherein the marking of the received data packet includes setting a logic value of a bit in a Type of Service (ToS) field of a header of the data packet [see Gai, Col. 3, lines 1-32, Col. 16, lines 21-48 and Col. 20, lines 25-31]. The same motivation that was utilized in the combination of claim 5 applies equally as well to claim 16. By this rationale **claim 16** is rejected.

32. Regarding **claim 19**, Lakshman-Barzilai, Engler and Gai discloses wherein the classifier marks a Type of Service (ToS) field of the received data packet to denote a level of service for transmission of the data packet [see Gai, Col. 3, lines 1-32, Col. 16, lines 21-48 and Col. 20, lines 25-31]. The same motivation that was utilized in the combination of claim 5 applies equally as well to claim 19. By this rationale **claim 19** is rejected.

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33. Regarding **claim 22**, Lakshman-Barzilai, Engler and Gai further discloses *wherein the admissions profile is stored in a communicatively coupled remote device* [see Gai, Col. 12, lines 25-50]. The same motivation that was utilized in the combination of claim 5 applies equally as well to claim 22. By this rationale **claim 22** is rejected.

34. Regarding **claim 23**, Lakshman-Barzilai, Engler and Gai further discloses *wherein the communicatively coupled remote device is a bandwidth broker or other generic policy server* [see Gai, Figure 2, item 216]. The same motivation that was utilized in the combination of claim 5 applies equally as well to claim 23. By this rationale **claim 23** is rejected.

#### ***Claim Rejections - 35 USC § 103***

35. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

36. **Claims 12 and 26** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lakshman-Barzilai and Engler as applied to claims 1, 11, 21, 24 and 25 above, and further in view of in view of what was well known to the ordinary artisan in the networking art at the time the invention was made.

37. Regarding **claims 12 and 26**, Lakshman-Barzilai and Engler further discloses *wherein the control means removes at least one of the filters based, at least in part, on time-of-day* ((The inclusion of wherein the control means removes at least one of the filters based, at least in part, on time-of-day would have been obvious to one of ordinary skill in the networking art at the time

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the invention was made in view of the notoriously widely known and widely implementation of control means removes at least one of the filters based, at least in part, on time-of-day. The Examiner takes Official Notice (MPEP 2144.03) that “a network administrator having the capability to remove filters base on an expiration day or time of data is well known in the networking art at the time the invention. The Applicant is entitled to traverse the official notice according to MPEP 2144.03. However, MPEP 2144.03 further states, “See also In re Boon, 439 F.2d 724, 169 USPQ 231 (CCPA 1971) (a challenge to the taking of judicial notice must contain adequate information or argument to create on its face a reasonable doubt regarding the circumstances justifying the judicial notice).” Specifically, In re Boon, 169 USPQ 231, 234 states “as we held in Ahlert, an applicant must be given the opportunity to challenge either the correctness of the fact asserted or the notoriety or repute of the reference cited in support of the assertion. We did not mean to imply by this statement that a bald challenge, with nothing more, would be all that was needed”. Further 37 CFR 1.671©(3) states “Judicial notice means official notice”. Thus, a traversal by the Applicant that is merely “a bald challenge, with nothing more” will be given little weight). By this rationale **claims 12 and 26** are rejected.

***Claim Rejections - 35 USC § 103***

38. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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39. Claims 1-14 and 16-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lakshman et al. (Lakshman), U.S. Patent No. 6,341,130 in view of Mitchem et al. (Mitchem), U.S. Patent No. 6,209,101.

40. Regarding **claim 1**, Lakshman discloses the invention substantially as claimed. Lakshman discloses *an apparatus adapted to facilitate communications between a client device and a remote device, comprising a network interface including (i) filters including at least one filter being triggered to denote when a received packet satisfies filter criteria corresponding to an admission policy (filter rules) related to differentiated service levels and associated with the at least one filter* [see Lakshman, Col. 1, lines 53-67, Col. 2, lines 1-34, Col. 3, lines 53-55, Col. 6, lines 15-19, Col. 9, lines 20-29] *and (ii) a classifier, communicatively coupled to the filters, to classify and mark one of the service levels associates with the received data packet in response to satisfying the filter criteria associated with the at least one filter* [see Lakshman, Col. 53-67]; *and a controller* [see Lakshman, Figure, 1, item 245]. However, Lakshman does not explicitly disclose a controller coupled to the network interface, to dynamically create and remove the filters controlling access to the different service levels based, at least in part, on an admission profile of the admission policy.

41. In the same field of endeavor, Mitchem discloses (e.g., adaptive security system having hierarchy of security servers). Mitchem discloses *dynamically create and remove the filters controlling access to the different service levels based, at least in part, on an admission profile of the admission policy* (Mitchem teaches dynamic creation and termination of security servers, whereas these security servers can be tailored to implement a security policy unique to the

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corresponding task (*service level*), [see Mitchem, abstract, Col. 2, lines 39-57, Col. 4, lines 6-67, Col. 5, lines 1-67].

42. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Mitchem's teachings of a adaptive security system having hierarchy of security servers with the teachings of Lakshman, for the purpose of providing each security server that can utilize a unique security policy to a corresponding tasks through the use of dynamic creation and termination of a security server [see Mitchem, Col. 4, lines 6-17, Col. 6, lines 60-67 and Col. 7, lines 1-5]. By this rationale **claim 1** is rejected.

#### ***Response to Arguments***

43. Applicant's arguments filed on 11 November 2004 have been carefully considered but they are not deemed fully persuasive. However, because there exists the likelihood of future presentation of this argument, the Examiner thinks that it is prudent to address applicants' main points of contention.

A. Applicant argues that none of the prior art renders (1) obvious a controller to dynamically create and remove the filters controlling access to the different service levels, and (2) satisfying filter criteria corresponding to an admission policy related to differentiated service levels.

B. Applicant states that the Office Action apparently uses Engler as a hindsight reconstruction of the claimed invention.

C. Applicant argues that Gai teaches away from the claimed invention by teaching storing policies in a local memory, not a remote device.

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D. Applicant request support of the Official Notice taken by the Examiner regarding

44. Regarding "Point A", that none of the prior art renders (1) obvious a controller to dynamically create and remove the filters controlling access to the different service levels, and (2) satisfying filter criteria corresponding to an admission policy related to differentiated service levels. It is position of the Examiner that in combination Lakshman-Barzilai and Engler do in fact teach this limitation. Lakshman-Barzilai and Engler teaches in order to perform a forwarding function, the router receives a data packet at an input link and a control mechanism (controller) within the router utilizes an independently generated lookup table to determine to which output link the packet should be routed to [see Lakshman, Col. 1, lines 35-45]. Lakshman-Barzilai and Engler also teaches that a QOS manager functions a control plane component primarily responsible for the creation, modification, and removal of reservation filters associated with different flows as well as admission control. Also, Barzilai teaches the improvement of statically compiled packet filter by utilizing a general classifier for real-time packet forwarding and packet filters that provide general and flexible classification of incoming packets to application endpoints and dynamic code generation techniques that are applied to realized very efficient packet filters, [see Barzilai, page 400, 2<sup>nd</sup> column, 4<sup>th</sup> paragraph, page 411, 2<sup>nd</sup> column, 2<sup>nd</sup> paragraph]. Furthermore, Lakshman-Barzilai and Engler teaches that the interface supports admission control (packet filtering) and scheduling and is able to differentiate between different service categories [see Barzilai, page 403, 1<sup>st</sup> column, 4<sup>th</sup> paragraph]. Lakshman-Barzilai and Engler teaches dynamic code generation techniques are applied to realize very efficient form of packet filters [see Barzilai, page 411, 2<sup>nd</sup> column, 2<sup>nd</sup> paragraph].

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45. Regarding “Point B”, that the Office Action apparently uses Engler as a hindsight reconstruction of the claimed invention. In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

46. Regarding “Point C”, that Gai teaches away from the claimed invention by teaching storing policies in a local memory, not a remote device. Eventhough, Gai teaches storing policies in a local memory. Gai further teaches that information may be obtained from a repository that is remote from the local enforcer [see Gai, Col. 15, lines 59-64].

47. Regarding “Point D”, of Applicant's seasonable challenge to the Official Notice concerning a “the controller removes at least one of the filters based, at least in part, on time-of-day. In response to those concerns Wiegel clearly shows that this feature was notoriously well known in the prior art [see Wiegel, Figure 4A-4G].

48.

### ***Conclusion***

49. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

A. Verma, U.S. Patent No. 6,581,093, teaches storing policies remotely [see Verma, Col. 1, lines 5-9].



***Conclusion***

50. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

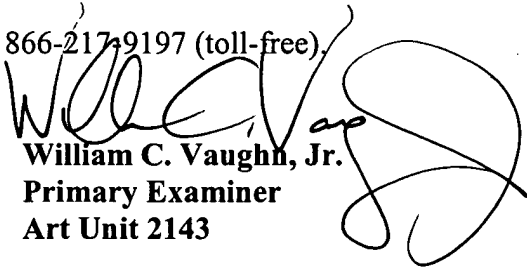
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Vaughn, Jr. whose telephone number is (571) 272-3922. The examiner can normally be reached on 8:00-6:00, 1st and 2nd Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



William C. Vaughn, Jr.  
Primary Examiner  
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